

## SAR EXEMPTION EVALUATION REPORT

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| REPORT NO.: 2022RE0156<br>(FCC ID 2A65I-GC866995)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | PAGE: 1 OF 6 |
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### THIS TEST REPORT IS ISSUED IN SECURED PDF SOFTCOPY

Applicant : PICOSYS SDN BHD (1274049-H)  
SS-02-26 Sky-Pod Square  
Persiaran Puchong Jaya Selatan  
Pusat Bandar Puchong  
47100 Puchong  
Selangor, Malaysia

Manufacturer : PICOSYS SDN BHD (1274049-H)

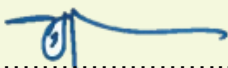
Product : Online Rehab Virtual Assistance (ORVA)

Reference Standard / Method of test : KDB 447498 D01 General RF Exposure Guidance v06

Description of Sample : Brand Name : PICOSYS  
Model : ORVA

Issued Date : 09 MARCH 2023

Approved Signatories,

  
.....  
(ZUL HJ. JAAFAR)  
Group Leader  
RF Laboratory



  
.....  
(ZARISMAIL ABD RAHMAN)  
Head  
RF & EMC Testing Section  
Testing Services Department

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| REPORT NO.: 2022RE0156<br>(FCC ID: 2A65I-GC866995)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | PAGE: 2 OF 6 |
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## 1.0 EUT PROFILE

The following data is based on the information provided by applicant.

Type of Product : ☐ Combined Equipment  
☐ Plug in radio Device  
☒ Stand Alone

Mode of Transmission : ☒ Continuous  
☐ Burst  
☐ Intermittent

Signal Transmission Techniques : ☐ FHSS  
☒ Non FHSS

Type of Modulation : Gaussian Frequency Shift Keying (GFSK)

Operating Voltage : 3 Vdc

RF Power Output : 4 dBm

EUT Antenna Gain : 3.7 dBi

Operating Frequency Range : Bluetooth Low Energy (BLE) 2402 MHz – 2480 MHz

Software : J-Link RTT Viewer V7.80a

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## 2.0 Specific Absorb Rate (SAR) Evaluation

The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances  $\leq 50$  mm and the formula below:

$$\frac{\sqrt{f(\text{GHz})} * (\text{max. power of channel, including tune-up tolerance, mW})}{(\text{min. test separation distance, mm})}$$

- where
- $f(\text{GHz})$  is the RF channel transmit frequency in GHz
  - Power and distance are rounded to the nearest mW
  - The result is rounded to one decimal place for comparison
  - The values 3.0 and 7.5 are referred to as numeric thresholds

SAR Test Exclusion Threshold (STET) :

- i)  $\text{STET} \leq 3.0$  for 1-g SAR
- ii)  $\text{STET} \leq 7.5$  for 10-g extremity SAR

The test exclusions are applicable only when the minimum test separation distance is  $\leq 50$  mm and for transmission frequencies between 100 MHz and 6 GHz.



|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |              |
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| Antenna to Front (Refer Figure 1.0)                                                                                            |              |        |                          |                      |                               |                    |
|--------------------------------------------------------------------------------------------------------------------------------|--------------|--------|--------------------------|----------------------|-------------------------------|--------------------|
| Frequency (GHz)                                                                                                                | Output Power |        | Separation distance (mm) | Calculated Threshold | Exclusion Threshold (1-g SAR) | SAR Test Exclusion |
|                                                                                                                                | dBm          | mW     |                          |                      |                               |                    |
| 2.402                                                                                                                          | 5            | 3.1622 | 4                        | 0.9802               | 3                             | YES                |
| 2.440                                                                                                                          | 5            | 3.1622 | 4                        | 0.9879               | 3                             | YES                |
| 2.480                                                                                                                          | 5            | 3.1622 | 4                        | 0.9959               | 3                             | YES                |
| Note: A distance of 5 mm is applied to determine the SAR test exclusion due to the minimum test separation distance is < 5mm,. |              |        |                          |                      |                               |                    |

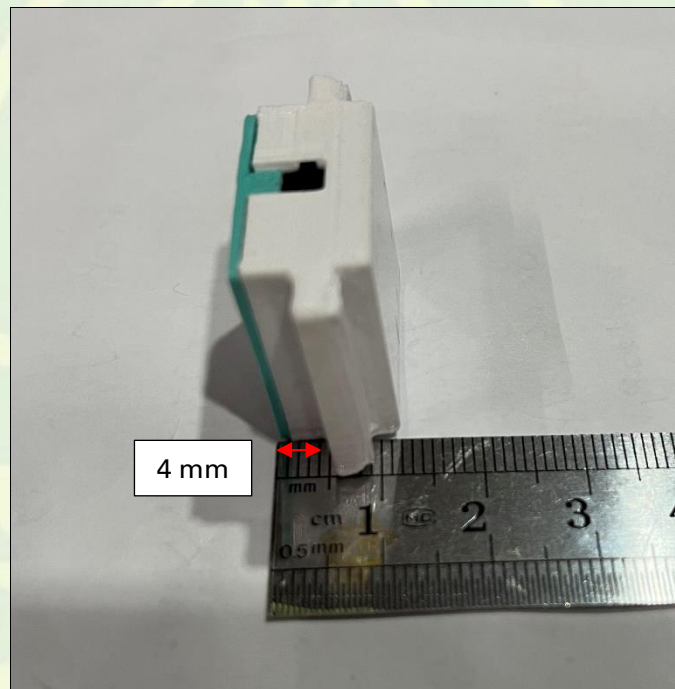


Figure 1.0 : Antenna to Front

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| Antenna to back (Refer Figure 2.0) |              |        |                             |                      |                                  |                    |
|------------------------------------|--------------|--------|-----------------------------|----------------------|----------------------------------|--------------------|
| Frequency<br>(GHz)                 | Output Power |        | Separation distance<br>(mm) | Calculated Threshold | Exclusion Threshold<br>(1-g SAR) | SAR Test Exclusion |
|                                    | dBm          | mW     |                             |                      |                                  |                    |
| 2.402                              | 5            | 3.1622 | 8                           | 0.6126               | 3                                | YES                |
| 2.440                              | 5            | 3.1622 | 8                           | 0.6174               | 3                                | YES                |
| 2.480                              | 5            | 3.1622 | 8                           | 0.6225               | 3                                | YES                |

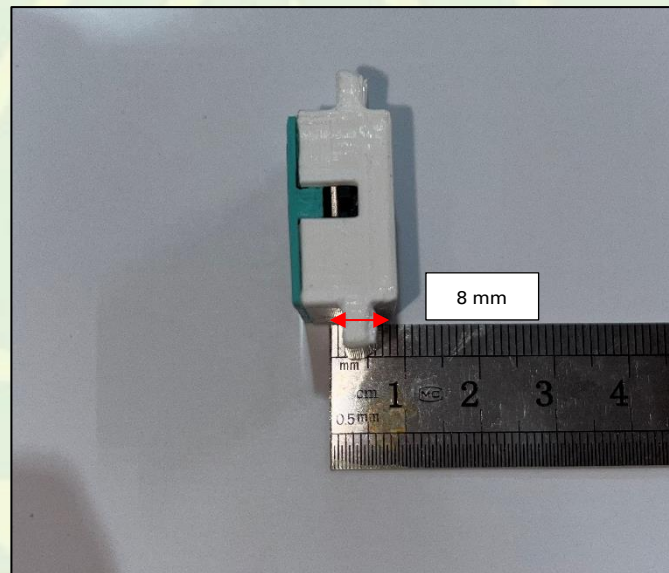


Figure 2.0 : Antenna to Back

**Conclusion:**

For the maximum result, calculated maximum threshold,  $0.9959 \leq 3.0$  SAR is not required.

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  - b) Obtaining an injunction from Court (cost on a solicitor-client basis to be borne by the Applicant);
  - c) Refusing to accept any further Product for Testing Services from the Applicant or whosoever related to the Applicant, whether subsidiary or otherwise;
  - d) Instructing the Applicant to withdraw and recall the advertisement, statement or document in question and advertise a clarification and apology to SIRIM QAS International, SIRIM and/or other SIRIM's subsidiaries twice in a national publication of SIRIM QAS International's choice at the Applicant's sole cost; and
  - e) Informing or lodging a report pertaining the Applicant's Test Report with the relevant authorities.
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  - a) Changes in details of the Applicant name and/or address;
  - b) Changes in details of the Manufacturer's name and/or address;
  - c) Changes in details of the Factory location name and/or address;
  - d) Changes in details of the model and/or type designation
11. However, issuance of Supplementary Report due to the following reasons are FOC :
  - a) Misprints and typo errors;
  - b) Missing technical information as agreed in PP1 form;
  - c) Test data not reported;
  - d) Mistake in reporting of test data
12. Corrections to report shall only be allowed if the date of issuance of the original report has not exceeded 6 months and shall be limited to a maximum 3 times, after either case whichever occurs earlier, an Amendment or a Supplementary Report shall not be issued.

